

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type: Audio Processor
Manufacturer: ClearOne
Firmware Version: 2.5.0
Model(s): XAP800

Version History:

Driver Version	Date	IP Link Compiler	GC Version	Notes
7	2/15/2013	1.5.1	3.3.2	Modify feedback parsing.
6	01/10/2013	1.5.1	3.3.2	Updated driver to most current A/V conference standards.
5	11/11/2010	1.4.0	3.0.4	Extron Certified. Tested on XAP800. Added input mute, output mute, process mute, microphone mute, and line mutes and their status. Updated driver to current standards.
4	6/14/10	1.4.0	3.0.3	Extron Certified. No functionality changes. Revised comm sheet.
3	06/12/07	1.3.11.1	2.2.1	Extron Certified. tested on XAP800. Added Macro Recall, Bus Gain, Bus Gain Up/Down
2	04/17/06	1.0.9.3	2.1	Extron Certified, tested on XAP800
1	05/20/05	1.0.9.3	1.6	Extron Certified, tested on XAP800

Driver Notes:

- Default Device ID is set to 0.
- For MLC62 control, ClearOne Device ID must be set to 0.
- This driver includes Volume Optimization.
- Flow control must be set to "Off" on the ClearOne XAP800 unit

Control Commands & States:

Device ID	0 – 7		All
Fader 1 - 4 Level	-65 to 20 in steps of 1		
Input 1-12 Level	-65 to 20 in steps of 1		
Input 1-12 Level (Step)	Up Down		
Macro	1 – 255		
Master Mute	On Off		
Mic 1-8 (Discrete)	-65 to 20 in steps of 1		
Mic 1 - 8 (Step)	Up Down		
Mic 1 - 8 Mute	On Off		
Mute Fader 1 - 4	On Off		
Mute Input 1-12	On Off		
Mute Output 1 – 12	On Off		
Mute Process A - H	On Off		
Output 1 - 12 Level	-65 to 20 in steps of 1		
Output 1 – 12 Level (Step)	Up Down		
Preset	1 – 8		
Process A - H Level	-65 to 20 in steps of 1		
Process A - H Level (Step)	Up Down		

Status Available:

Connection Status	Connected	Disconnected
Fader 1 - 4 Level	-65 to 20 in steps of 1	
Input 1-12 Level	-65 to 20 in steps of 1	
Master Mute	On	Off
Mic 1-8 (Discrete)	-65 to 20 in steps of 1	
Mic 1 - 8 Mute	On	Off
Mute Fader 1 - 4	On	Off
Mute Input 1-12	On	Off
Mute Output 1 - 12	On	Off
Mute Process A - H	On	Off
Output 1 - 12 Level	-65 to 20 in steps of 1	
Process A - H Level	-65 to 20 in steps of 1	

MLC60 Series Supported Commands:

Input 1 - 12 Level (Step)	Up	Down
Macro	1 – 255	
Master Mute	On	Off
Mic 1-8 Mute	On	Off
Mic 1-8 (Step)	Up	Down
Mute Fader 1-4	On	Off
Mute Input 1 – 12	On	Off
Mute Output 1 – 12	On	Off
Mute Process A – H	On	Off
Output 1 - 12 Level (Step)	Up	Down
Preset	1 – 32	
Process A - H Level (Step)	Up	Down

Cable and Adapter Requirements:

M/F RS-232 Straight Cable (Extron Electronics P/N 26-433-XX)

Notes for the Device:**Serial communication:**

Port Type: RS-232

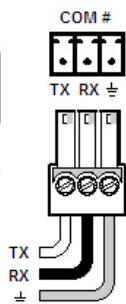
Baud Rate: 38400

Data Bits: 8

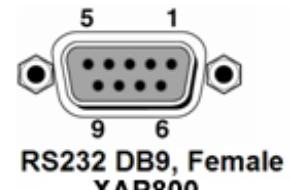
Parity: None

Stop Bits: 1

Flow Control: None

Pin Assignments Diagram:

Signal	Pin	Main Cable	Pin	Signal
RxD	2	←	2	TxD
TxD	3	→	3	RxD
GND	5	—	5	GND



Note: Captive screw connector may also be used as a serial connection. It may be necessary to short pins 7 and 8 on the XAP 800 side.

General Notes: